

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-117893

(43)Date of publication of application : **27.04.2001**

(51)Int.Cl.

G06F 15/173

G06F 15/177

(21)Application number : 11-297439

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(22)Date of filing : 19.10.1999

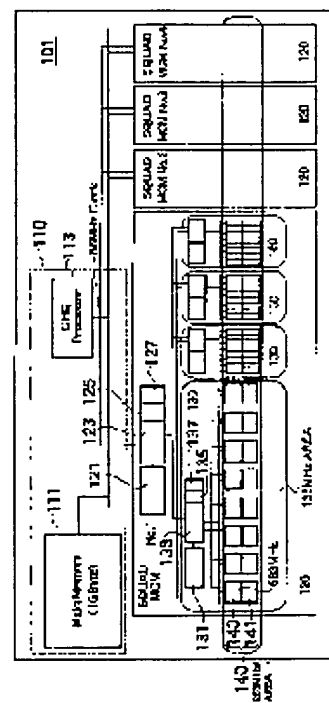
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(54) PARALLEL COMPUTER HAVING HIERARCHICAL STRUCTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a shared bus type parallel computer by which a desired number of high speed processors based on newest technique are operated in parallel.

SOLUTION: The processing unit of an intermediate hierarchy in a hierarchical shared bus multi-processor system is provided with a processor having a programmable ability being equal to that of a normal processor, an instruction memory and a data memory. Then a status signal from a low-order processor is received and a DMA controller having a large capacity of transfer data memory executes the compression and development of transfer data, a programmable load distribution and the load distribution in accordance with the working situation of the low-order processor.



LEGAL STATUS

[Date of request for examination]

28.01.2003

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's